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16533
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January 1965

PHOTOGRAPHIC INTERPRETATION REPORT

SA-2 SAM SITES
OTHER MISSILE-ASSOCIATED FACILITIES IN
CHINA, AND UNIDENTIFIED CHINESE MISSILE

Declass Review by
NIMA/DoD

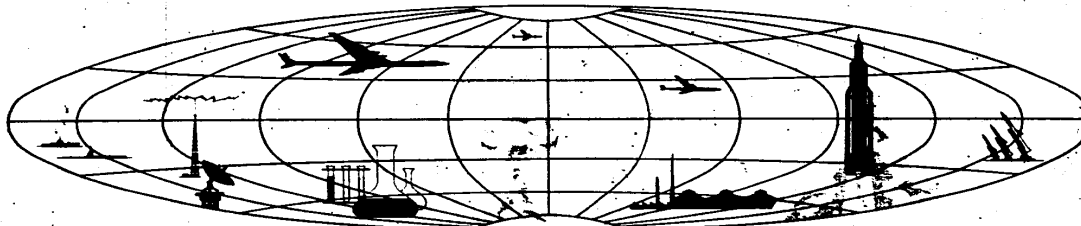


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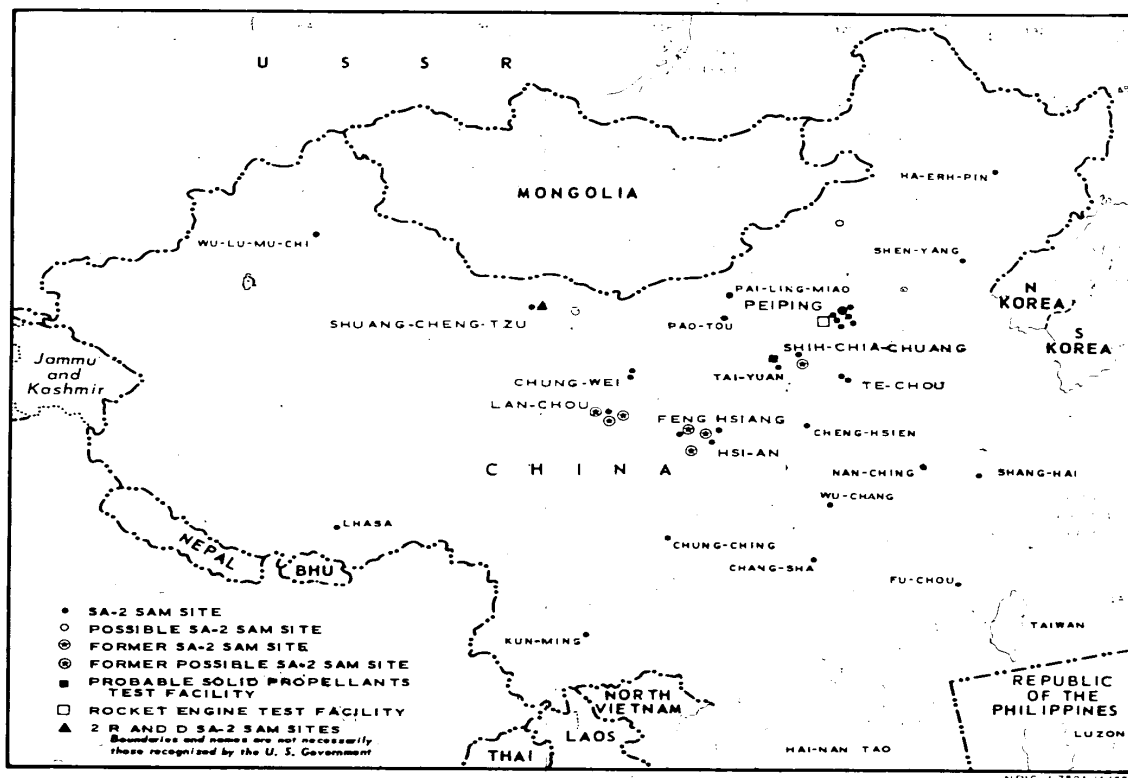


FIGURE 1. LOCATION OF INSTALLATIONS.

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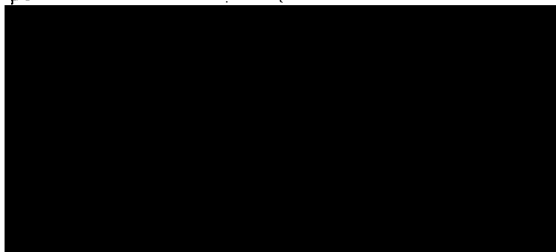
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INTRODUCTION

This report has been prepared in response to CIA requirement C-SI4-82,085, which requests various data and photographs for support of a study of Chinese surface-to-air missile (SAM) capability.

Information is provided herein on the following missile-associated installations in China (Figure 1): 14 SA-2 SAM sites (including 1 possible site), 6 former SA-2 SAM sites (including 1 possible site), the Tai-yuan Probable Solid Propellants Test Facility, and the Peiping Rocket Engine Test Facility. Table 1 presents data on significant features of the SA-2 SAM sites (Figures 2-20), including the former SA-2s, as observed on successive mission coverages. Table 2 provides information on the rocket engine test facility (Figure 21), and Table 3 provides information on the probable solid propellants test facility (Figure 22).



The mensural analysis of the missile was greatly hampered by the scarcity of photography (only the single photograph was available), the lack of camera data, the cropping of the photograph, and the lack of an object in it of known dimensions for scaling. These factors, particularly the lack of an object for scaling, prevented

the determination of any true dimensions for the missile; however 2 sets of hypothetical dimensions for it have been derived. One set is based on an assumed booster diameter of [REDACTED]

[REDACTED] that of the SA-2 GUIDELINE missile, and the other set is based on an assumed booster diameter of [REDACTED] that of the GRIFFON missile (the SA-2 GUIDELINE and the GRIFFON missile resemble the unidentified missile in overall proportions). The accuracy of the dimensions derived for the unidentified missile and shown on the drawing obviously depends upon the validity of the booster diameter which is assumed, but if either diameter is correct the dimensions derived therefrom can be considered accurate to [REDACTED]

[REDACTED] (whichever is greater). The angle measurements for the unidentified missile can be considered accurate to within [REDACTED]. The measurements of the SA-2 GUIDELINE and the GRIFFON missile, dimensional drawings of which accompany the sketch of the unidentified missile, have been proven accurate.

The 3 drawings have not been made to scale and are to be used only for dimensional information and as a basis for a rough comparison of the unidentified missile with the SA-2 GUIDELINE and the GRIFFON. Additional photography and information are needed to obtain more reliable and accurate measurements. The user of this data is advised to apply the measurements herein with extreme caution.

The cutoff date for all information in this report is 1 December 1964.

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FIGURE 2. PEIPING SAM SITE B12-2.



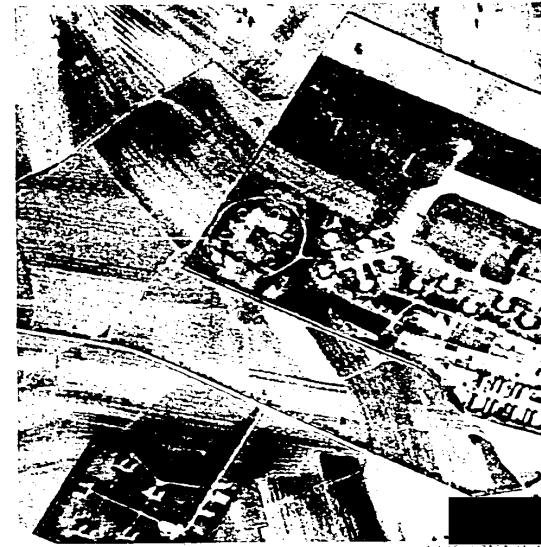
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FIGURE 3. PEIPING SAM SITE B19-2.



FIGURE 4. PEIPING SAM SITE B26-2.

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FIGURE 5. PEIPING SAM SITE B35-2.

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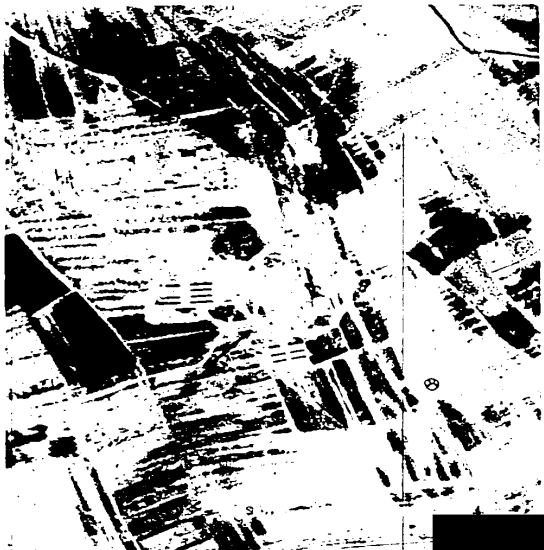


FIGURE 6. PEIPING SAM SITE C14-2.



FIGURE 7. PEIPING SAM SITE C18-2.

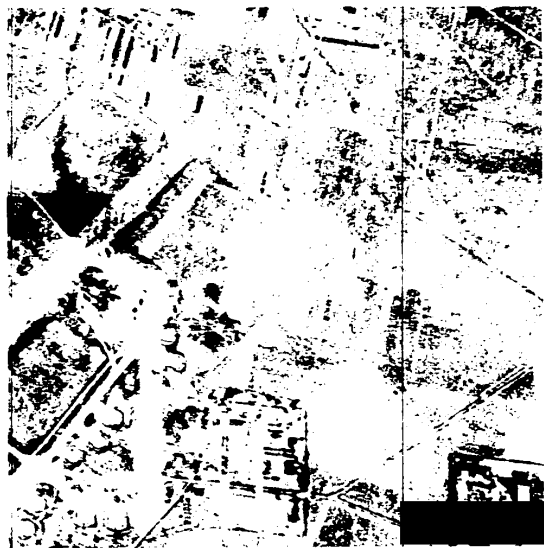


FIGURE 8. TE-CHOU SAM SITE A30-2.



FIGURE 9. SHUANG-CHENG-TZU MISSILE TEST CENTER
SAM SITE C02-2.

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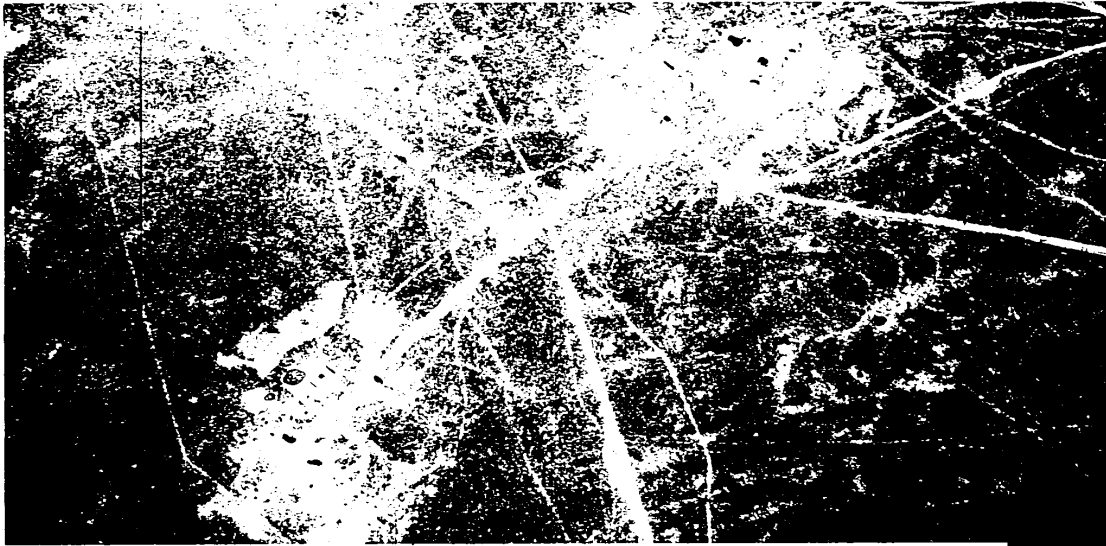


FIGURE 10. SHUANG-CHENG-TZU MISSILE TEST CENTER R&D SAM SITES.

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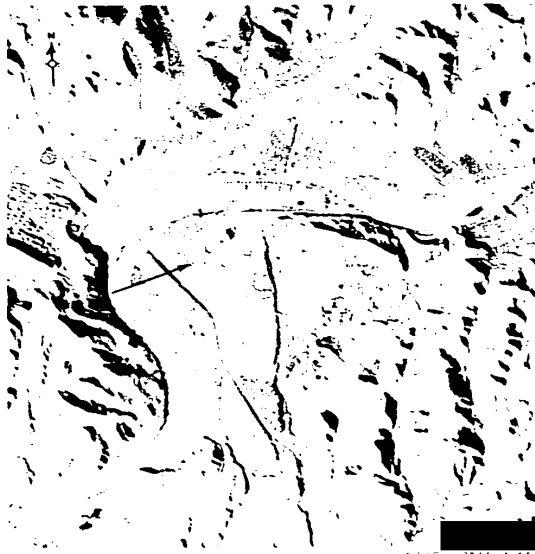


FIGURE 11. LAN-CHOU SAM SITE B19-2.



FIGURE 12. HSI-AN SA-2 SAM SITE.

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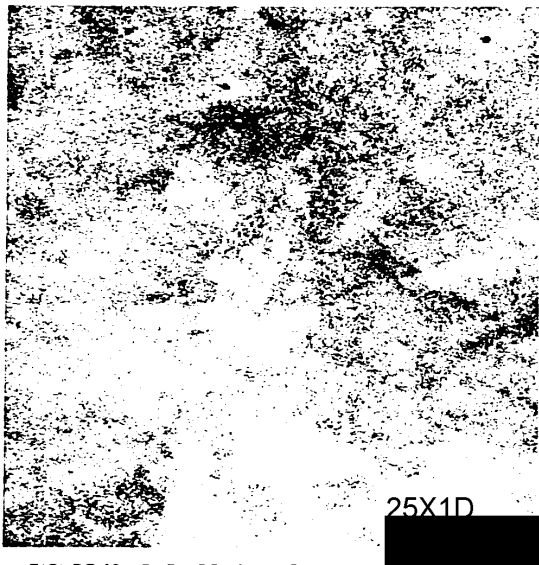


FIGURE 13. BARINORUSUMU POSSIBLE SA-2 SAM SITE.

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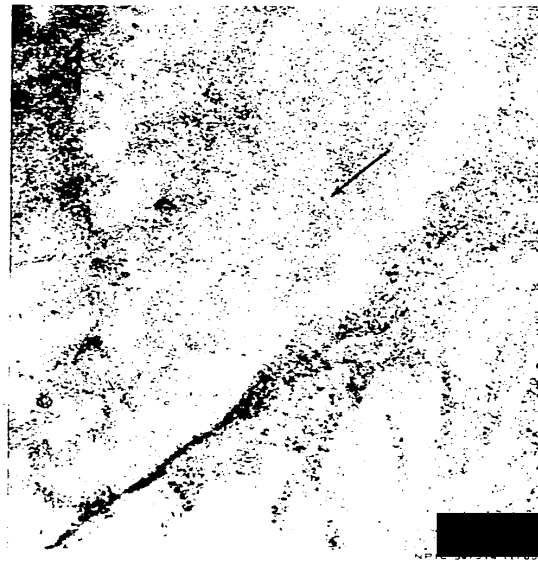


FIGURE 14. CHUNG-WEI SAM SITE C02-2.

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FIGURE 15. FORMER LAN-CHOU SAM SITE B12-2.

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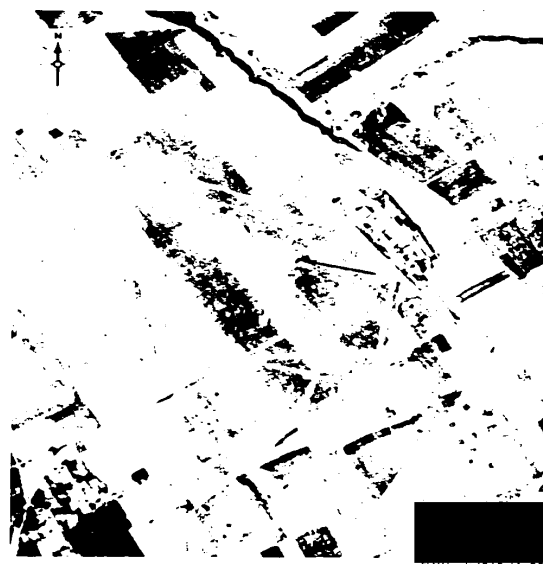


FIGURE 16. FORMER LAN-CHOU POSSIBLE SA-2 SAM SITE.

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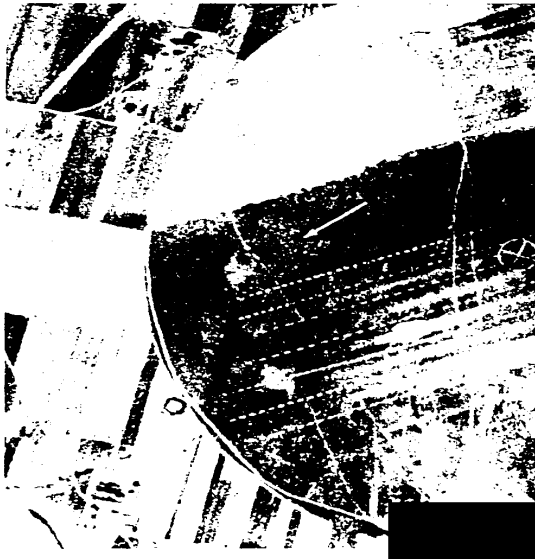


FIGURE 17. FORMER HSI-AN SAM SITE B32-2.



FIGURE 18. FORMER HSI-AN SAM SITE C25-2.

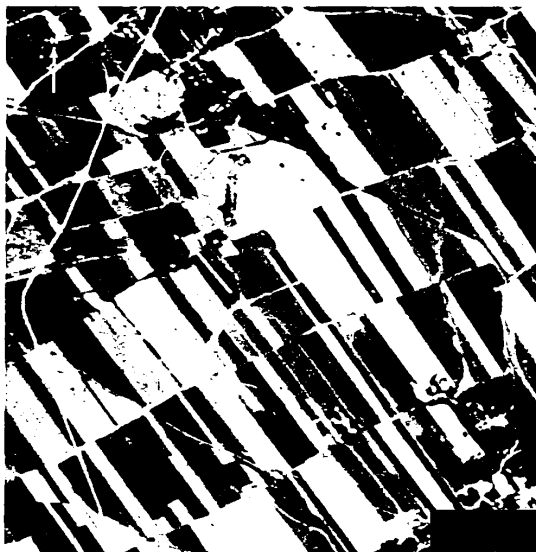


FIGURE 19. FORMER FENG-HSIANG SAM SITE A10-2.



FIGURE 20. FORMER SHIH-CHIA-CHUANG (SHIH-MEN) SA-2 SAM SITE.

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FIGURE 21. PEIPING ROCKET ENGINE TEST FACILITY.

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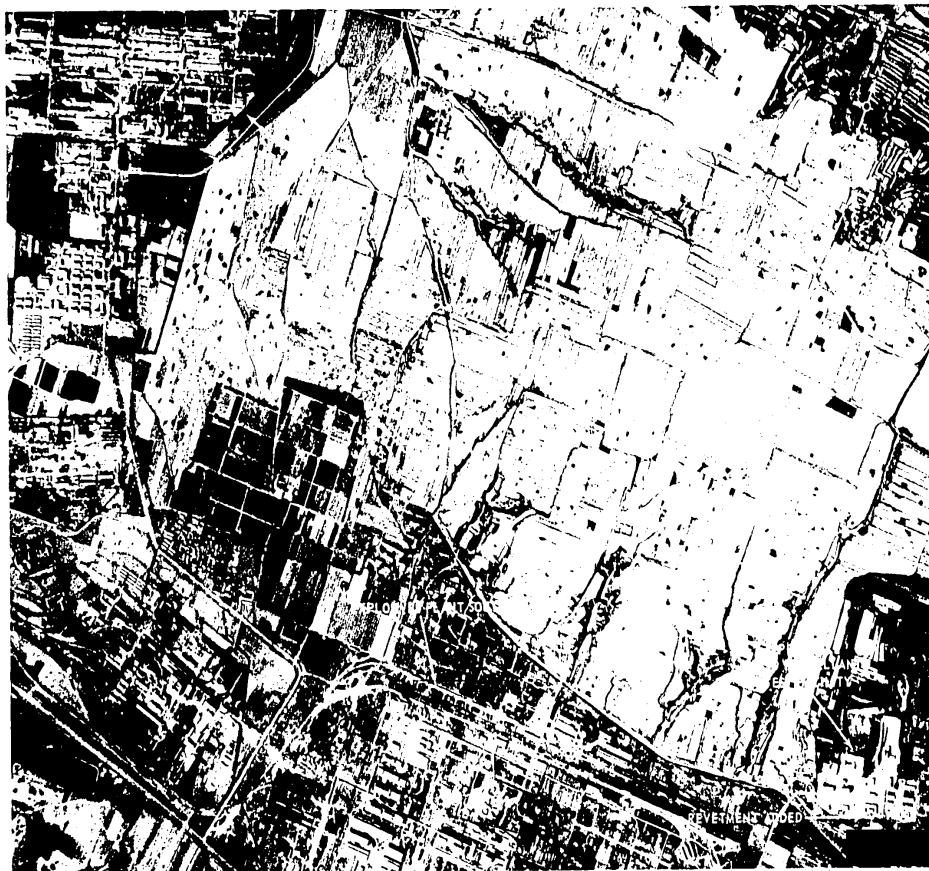


FIGURE 22. TAI-YUAN PROBABLE SOLID PROPELLANTS TEST FACILITY.

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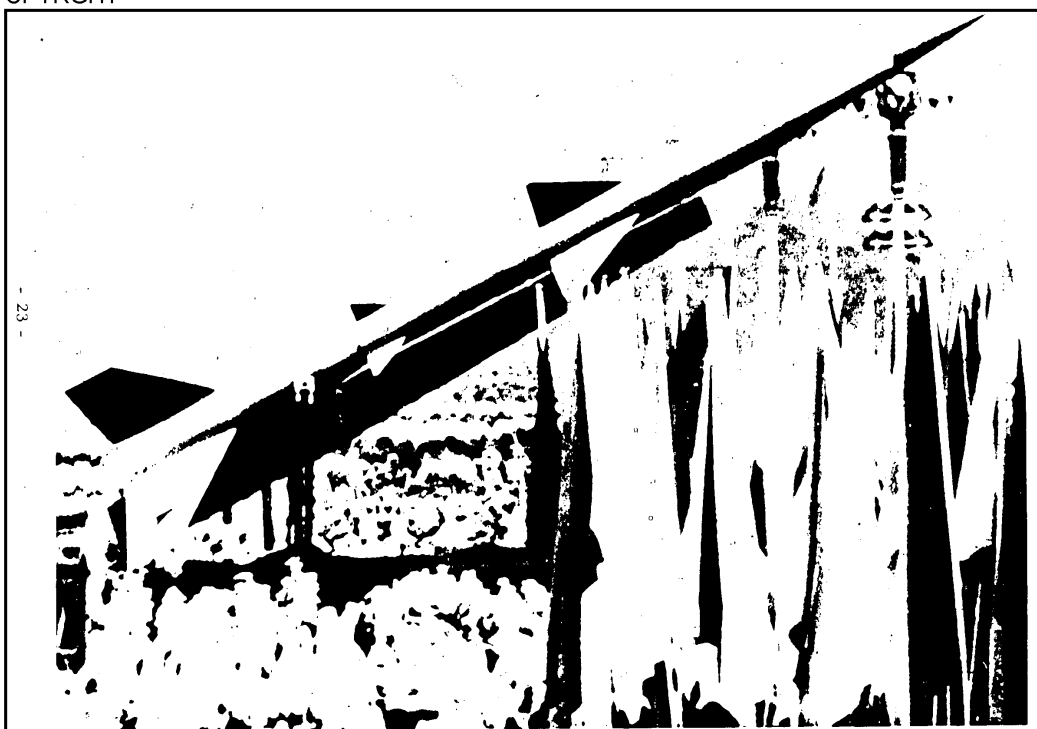


FIGURE 23. TIME MAGAZINE PHOTOGRAPH OF UNIDENTIFIED MISSILE.

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REFERENCES

PHOTOGRAPHY

Missile Associated Installations

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KEYHOLE (TOP SECRET RUFF) and [REDACTED] SECRET No)
Foreign Dissem) mission coverages listed in Tables 1, 2, and 3

Unidentified Missile

Time, Vol 84, no 20, 13 Nov 64, p 47

DOCUMENTS

1. NPIC, R-27 63, *Missile and Propulsion Test Complex Near Peiping, China*, Mar 63 (TOP SECRET RUFF No. Foreign Dissem)
2. NPIC, R-1527 63, *Newly Identified Horizontal Test Site, Changhsin-tien Rocket Engine Test Facility Near Peiping, China*, Oct 63 (SECRET No Foreign Dissem)
3. NPIC, R-868 64, *Probable Solid Propellants Test Facility, Tai-guan, China*, Oct 64 (TOP SECRET RUFF No Foreign Dissem)

REQUIREMENT

CIA, C-SH-82,085

NPIC PROJECT

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